A Report on One-Day Workshop on
"Mastering SCCM 2024: Advanced Deployment Strategies and Best Practices"
Organised by Department of Computer Science & Technology
On 05.02.2024

Organized by: Mrs. Gopika Venu, Assistant Professor, Department of CST; Ms. B. Lakshmi, Assistant Professor, Department of CST
Submitted by: Mrs. Gopika Venu, Assistant Professor, Department of CST
Resource Person Details: Dr. S. Yogesh Kumaran, Assistant Professor, Department of Computer Science and Engineering, Jain (Deemed-to-be) University.
Report Received on 12.02.2024
Participants: III Year CST Students
Attendance: 72 participants
Venue: CST Lab

Mode: Offline

Department of Computer Science & Technology has organized **"One-Day Workshop on Mastering SCCM 2024: Advanced Deployment Strategies and Best Practices"** on **05.02.2024** (Monday) from 10:00 AM to 05:00 PM.

Welcome Address:

The event commenced promptly at 10:00 AM with a warm and engaging welcome address to all by **Mrs. Gopika Venu**, **Assistant Professor, Department of CST,** Madanapalle Institute of Technology & Science (MITS), Madanapalle. The main objective of a Workshop on "Mastering SCCM 2024: Advanced Deployment Strategies and Best Practices" is to enhance the technical skills and improving efficiency of students, best practices implementation, troubleshooting and problem resolution, optimizing deployment strategies, hands-on training and practical exercises, collaboration and networking. By achieving these objectives, participants can develop advanced skills and knowledge in SCCM deployment, enabling them to optimize IT management processes, improve system reliability, and enhance overall organizational productivity.

Resource Person Lecture:

Dr. S. Yogesh Kumaran, Assistant Professor, Department of Computer Science and Engineering, Jain (Deemed-to-be) University started

to explain about, Mastering SCCM.

The resource person shared the following on Mastering SCCM 2024: Advanced Deployment Strategies and Best Practices

System Center Configuration Manager (SCCM) is a comprehensive management solution from Microsoft for managing devices and applications in an enterprise environment. It provides features for deploying software, managing updates, configuring settings, and monitoring system health across a range of devices, including desktops, laptops, servers, and mobile devices.
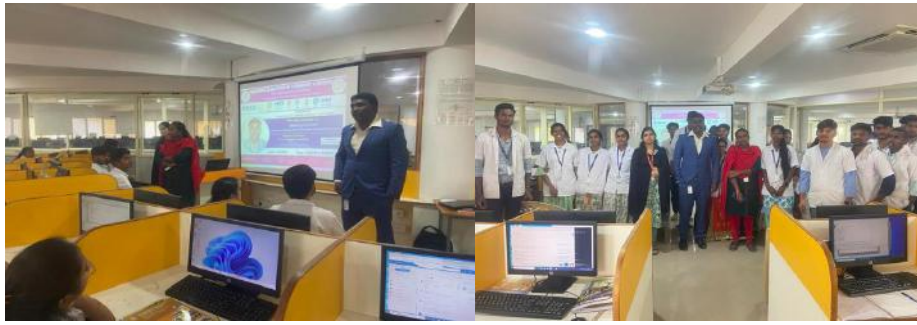SCCM typically undergoes periodic updates and releases by Microsoft to introduce new features, enhancements, and compatibility updates. Each new version often builds upon the previous one, addressing bugs, improving performance, and introducing new functionalities to meet the evolving needs of IT administrators and organizations.

The resource person provided participants with advanced knowledge and hands-on experience in System Center Configuration Manager (SCCM) 2024, focusing on deployment strategies and best practices. This includes mastering advanced features, functions, and capabilities of SCCM to optimize deployment processes.
Handled how to leverage SCCM effectively to streamline software and update deployments, reduce manual intervention, and improve overall IT management efficiency. This involves exploring automation techniques, scripting, and advanced configuration options within SCCM.
He also updated the participants on the latest advancements, features, and updates in SCCM 2024, ensuring they are equipped with the most current knowledge and tools to manage IT environments effectively.
The resource person guided the participants in implementing industry best practices for SCCM deployment, including security measures, compliance requirements, and performance optimization techniques.

He also equipped the participants with troubleshooting skills to identify and resolve common issues encountered during SCCM deployment and operation. This includes understanding log files, diagnosing errors, and implementing effective solutions. Help participants devise tailored deployment strategies based on organizational needs, infrastructure requirements, and user scenarios. This involves understanding different deployment methods, such as OSD, application deployment, and software updates, and selecting the most appropriate approach for specific scenarios.

In the workshop, provided hands-on training and practical exercises to reinforce learning and allow participants to apply their knowledge in real-world scenarios. This includes creating and managing deployment packages, configuring deployment rules, and performing software updates. Also fostered collaboration and networking among participants to exchange ideas, share experiences, and learn from each other's challenges and successes in implementing SCCM in their respective environments.

Vote of thanks

The workshop formally concluded with a vote of thanks delivered by **Ms. B. Lakshmi, Assistant Professor**, **Department of CST**. In her address, she expressed sincere gratitude to resource person for the time to share his expertise.

Outcomes:

At the end of Program, Students can able to,

1. Recall the key features and functions of SCCM related to advanced deployment strategies.

2. Interpret and explain the rationale behind advanced deployment strategies in SCCM.

3. Apply advanced deployment strategies in SCCM to solve complex deployment scenarios.

4. Analyze deployment data and troubleshoot issues to optimize SCCM deployment processes.

5. Evaluate the effectiveness of different deployment strategies and recommend improvements based on outcomes.